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1  #!/usr/bin/env python
2  #####
3  # This code uses the Beebotte API, you must have an account.
4  # You can register here: http://beebotte.com/register
5  #####
6  import time
7  import json
8  import Adafruit_DHT
9  from beebotte import *
10 API_KEY = 'xxxxxxxxxxxxxxxxxxxxxx'
11 SECRET_KEY = 'xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx'
12 ### Replace API_KEY and SECRET_KEY with those of your account
13 bbt = BBT(API_KEY,SECRET_KEY)
14 period = 5 ## Sensor data reporting period (5 seconds)
15 pin = 4 ## Assuming the DHT11 sensor is connected to GPIO pin number 4
16 ### Change channel name and resource names as suits you
17 temp_resource = Resource(bbt, 'RaspberryPi', 'Temp')
18 humid_resource = Resource(bbt, 'RaspberryPi', 'humi')
19 def run():
20     while True:
21         ### Assume
22         humidity, temperature = Adafruit_DHT.read_retry(Adafruit_DHT.DHT11, pin
23 )
24         if humidity is not None and temperature is not None:
25             print('Temp={0:0.1f}*C Humidity={1:0.1f}%'.format(temperature,humid
26 ity))
27             try:
28                 #Send temperature to Beebotte
29                 temp_resource.write(temperature)
30                 #Send humidity to Beebotte
31                 humid_resource.write(humidity)
32             except Exception:
33                 ## Process exception here
34                 print ("Error while writing to Beebotte")
35             else:
36                 print ("Failed to get reading. Try again!")
37                 #Sleep some time
38                 time.sleep(period)
39 run()
```